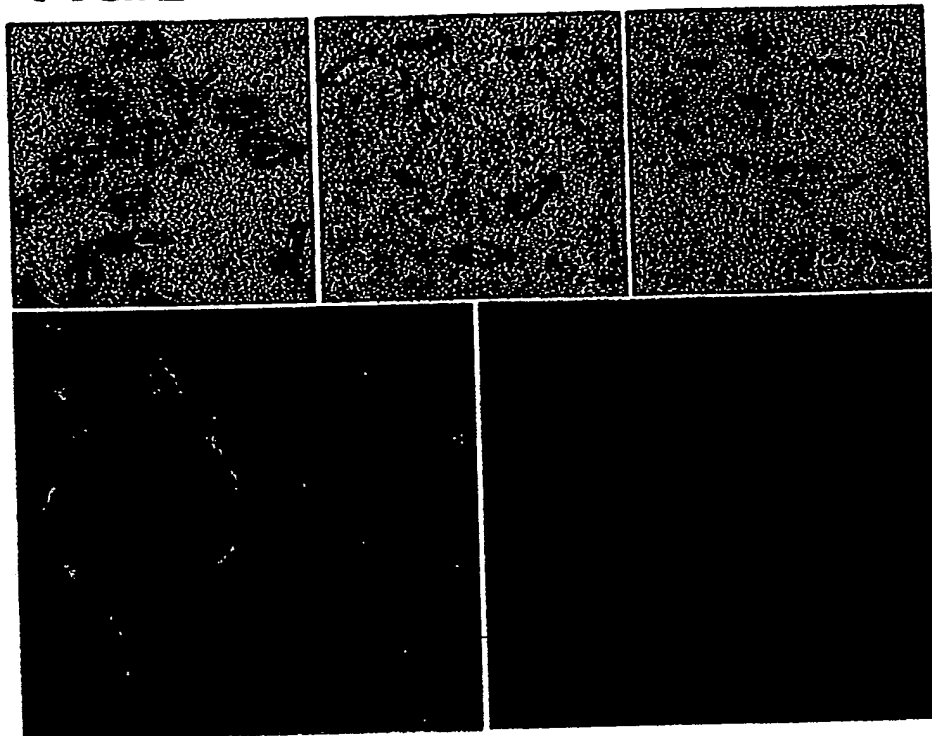
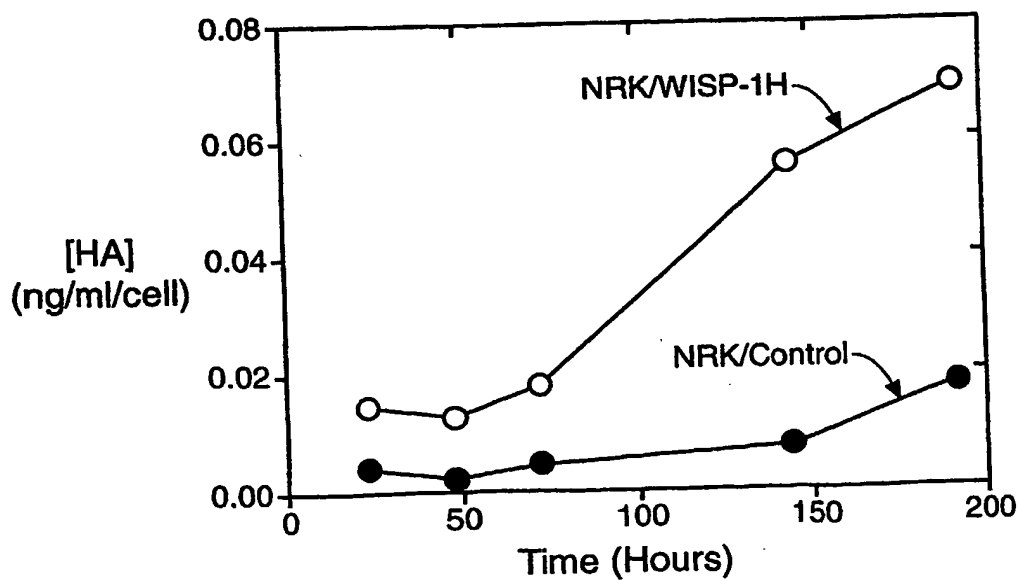
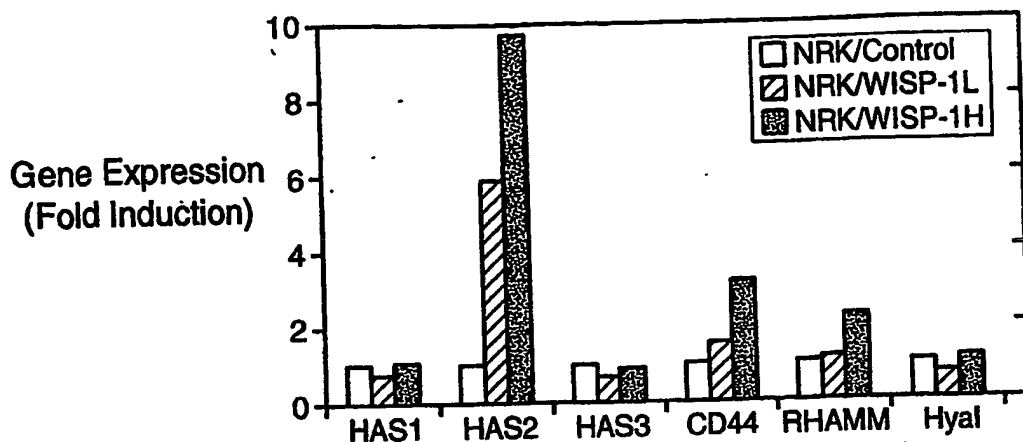
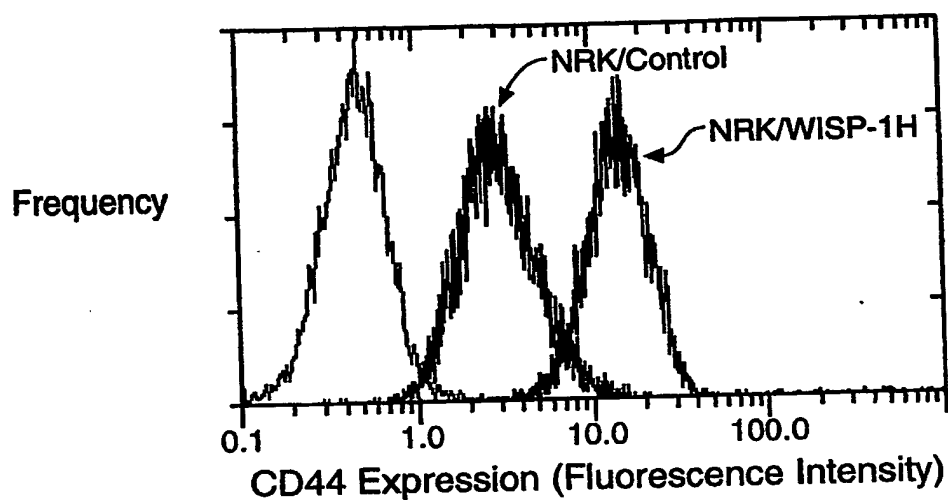
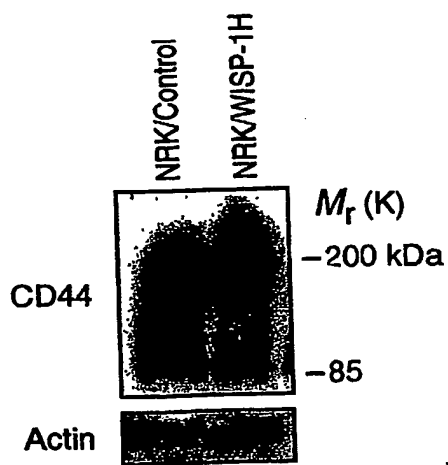


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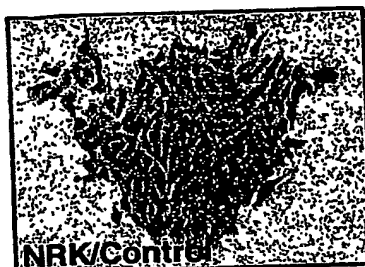
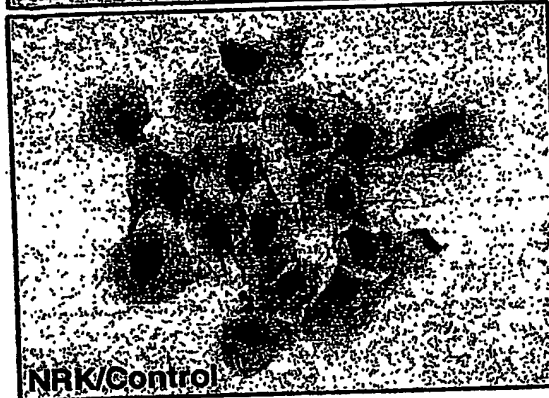
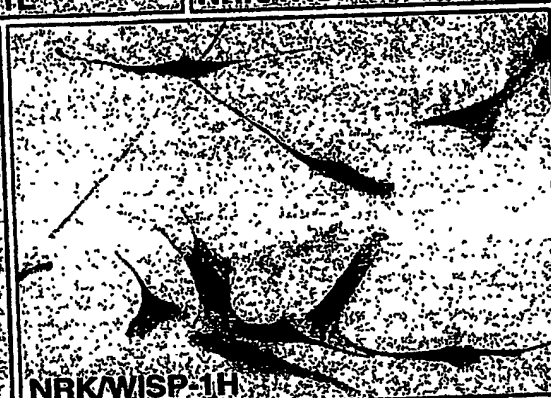
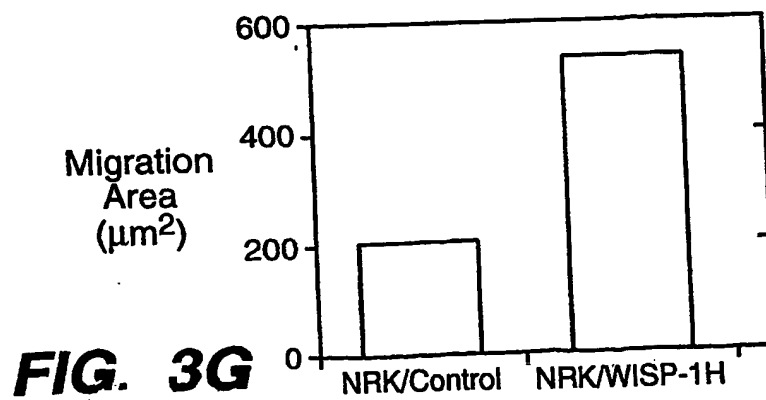
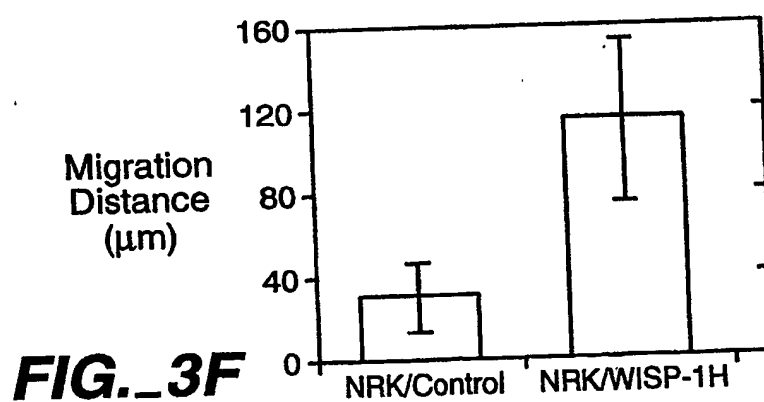
FIG._1A **FIG._1B** **FIG._1C****FIG._1D****FIG._1E****FIG._1F**

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**FIG. 2A****FIG. 2B****FIG. 2C**

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FIG._3A**FIG._3B****FIG._3C****FIG._3D****FIG._3E**

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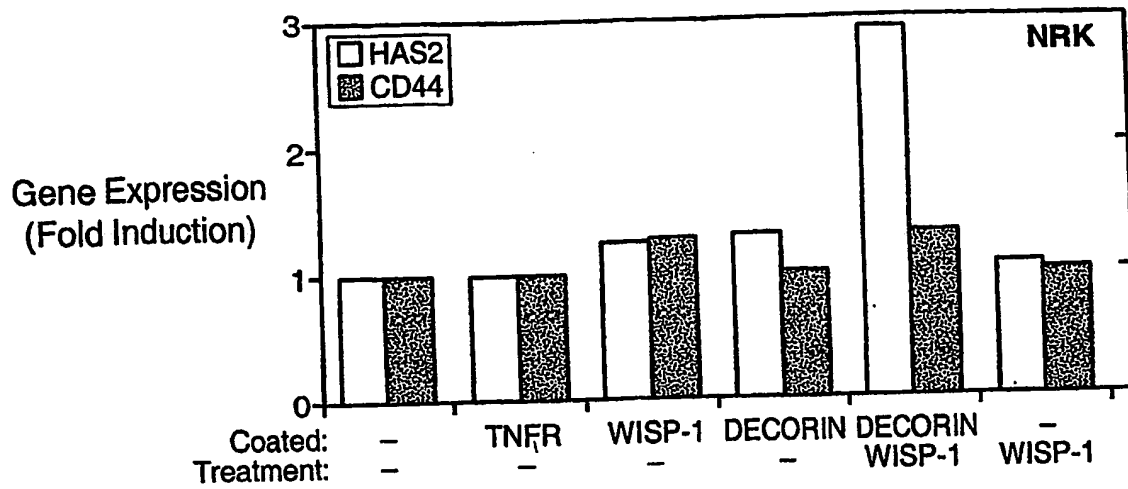
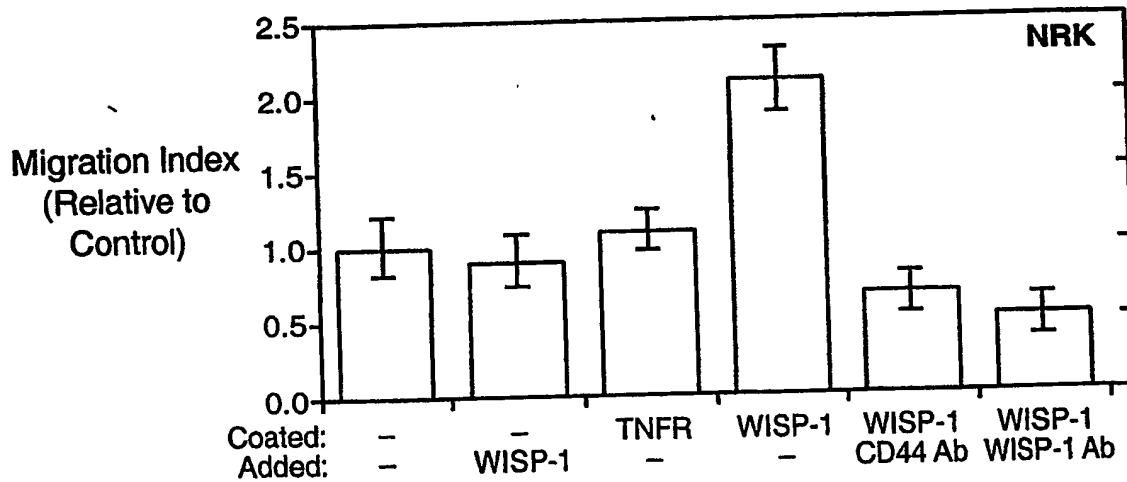
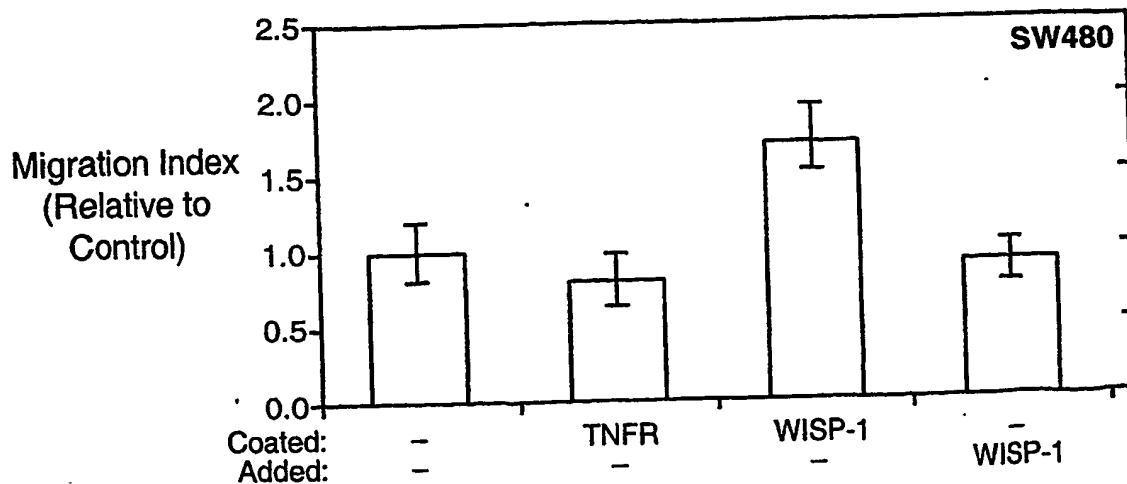
**FIG. 4A****FIG. 4B****FIG. 4C**



FIG..5C

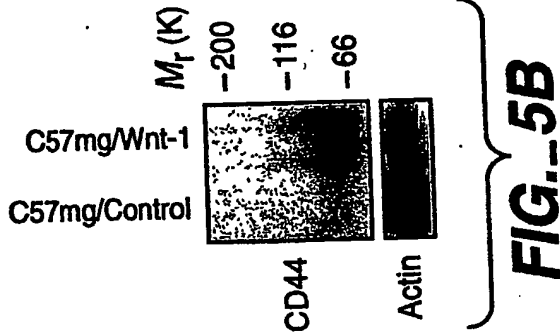


FIG..5B

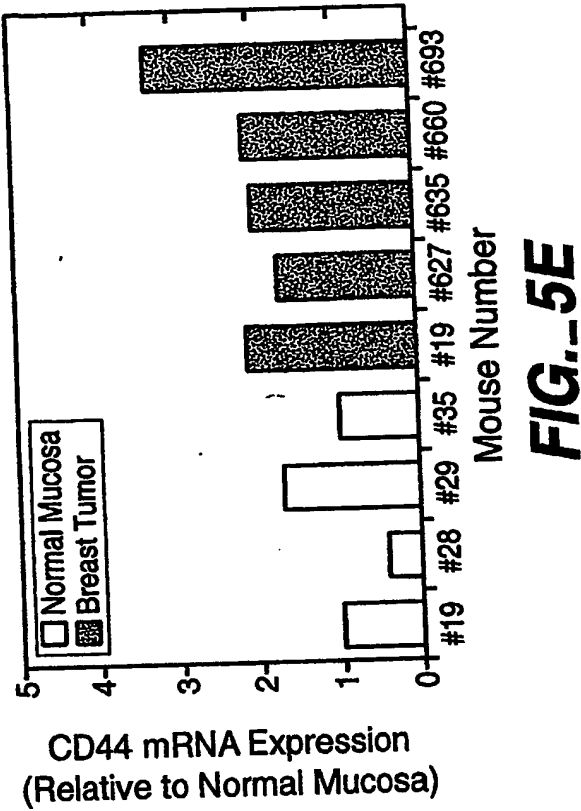


FIG..5E

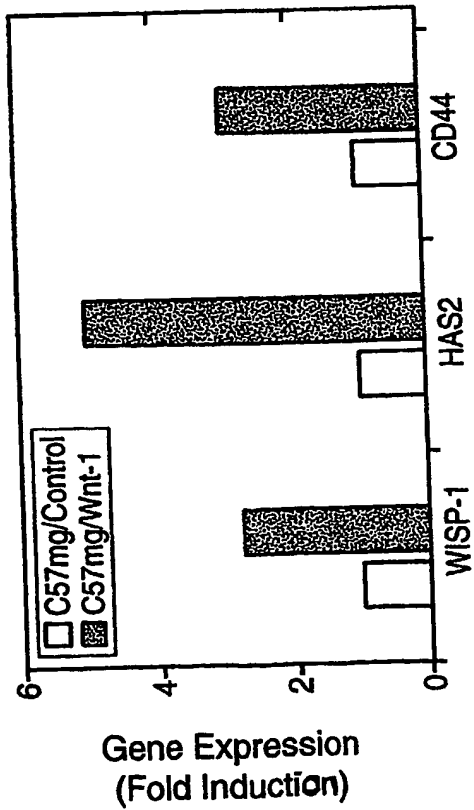


FIG..5A

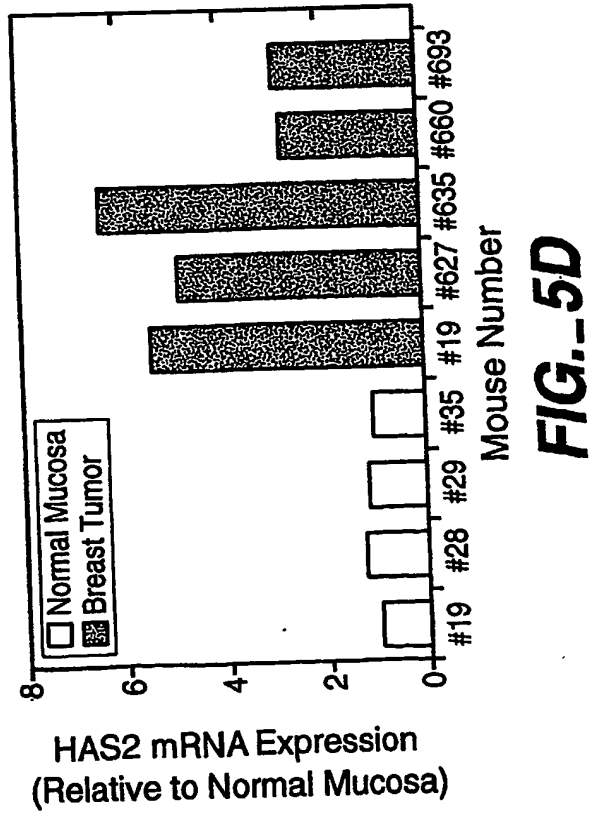


FIG..5D

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FIG._6A

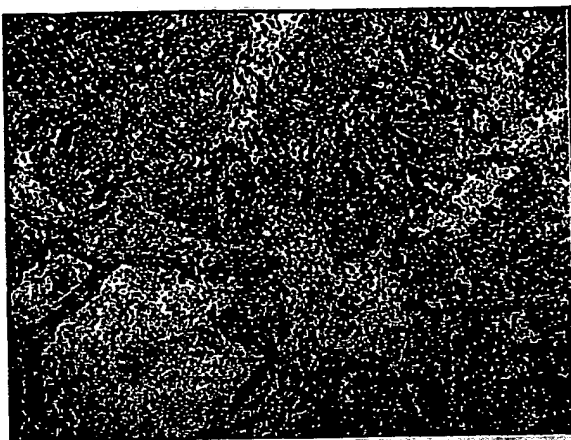


FIG._6B

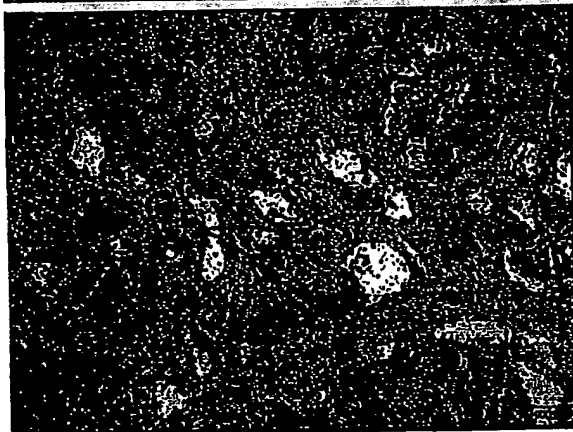
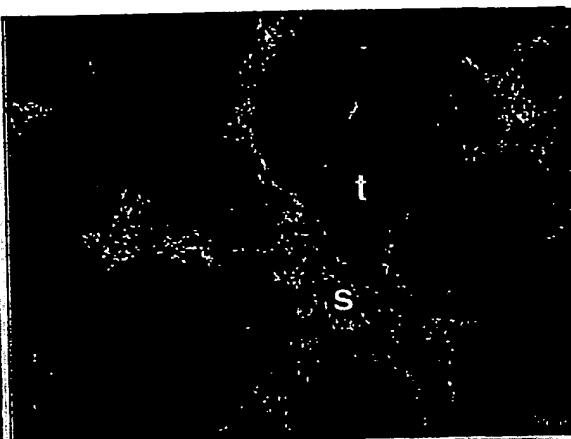


FIG._6C

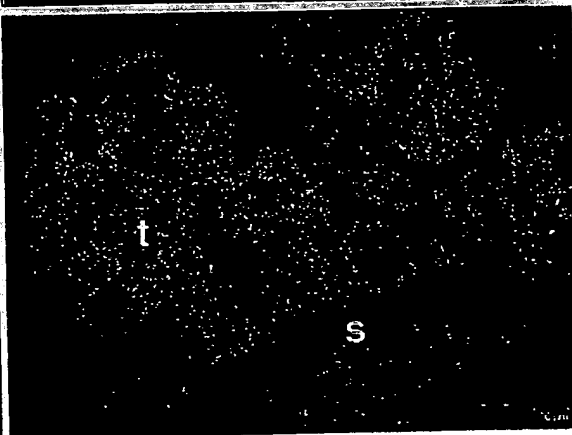
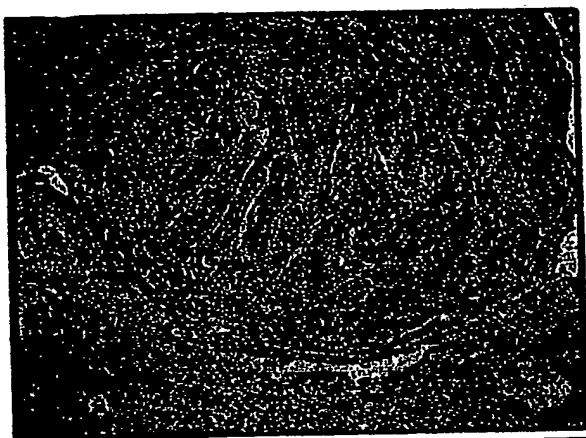
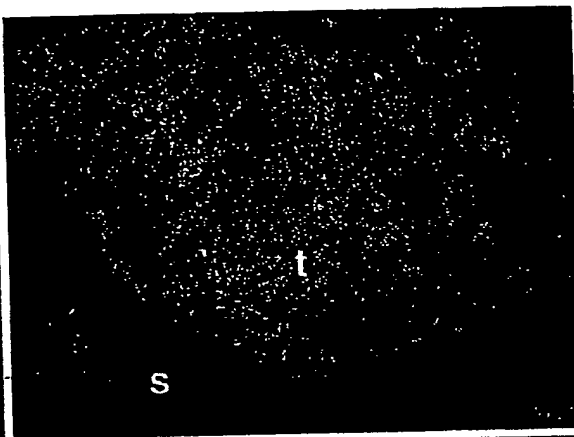
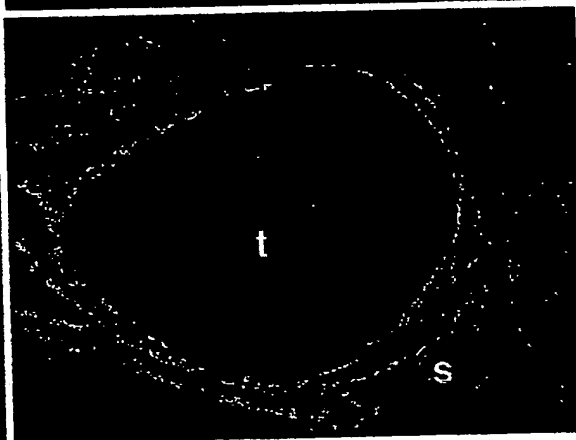


FIG._6D

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FIG._6E**FIG._6F****FIG._6G****FIG._6H**

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FIG. 7C

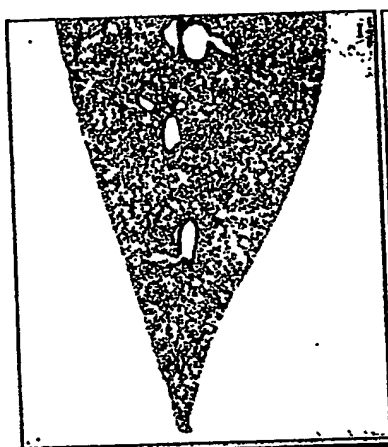


FIG. 7B



FIG. 7A



FIG. 7F



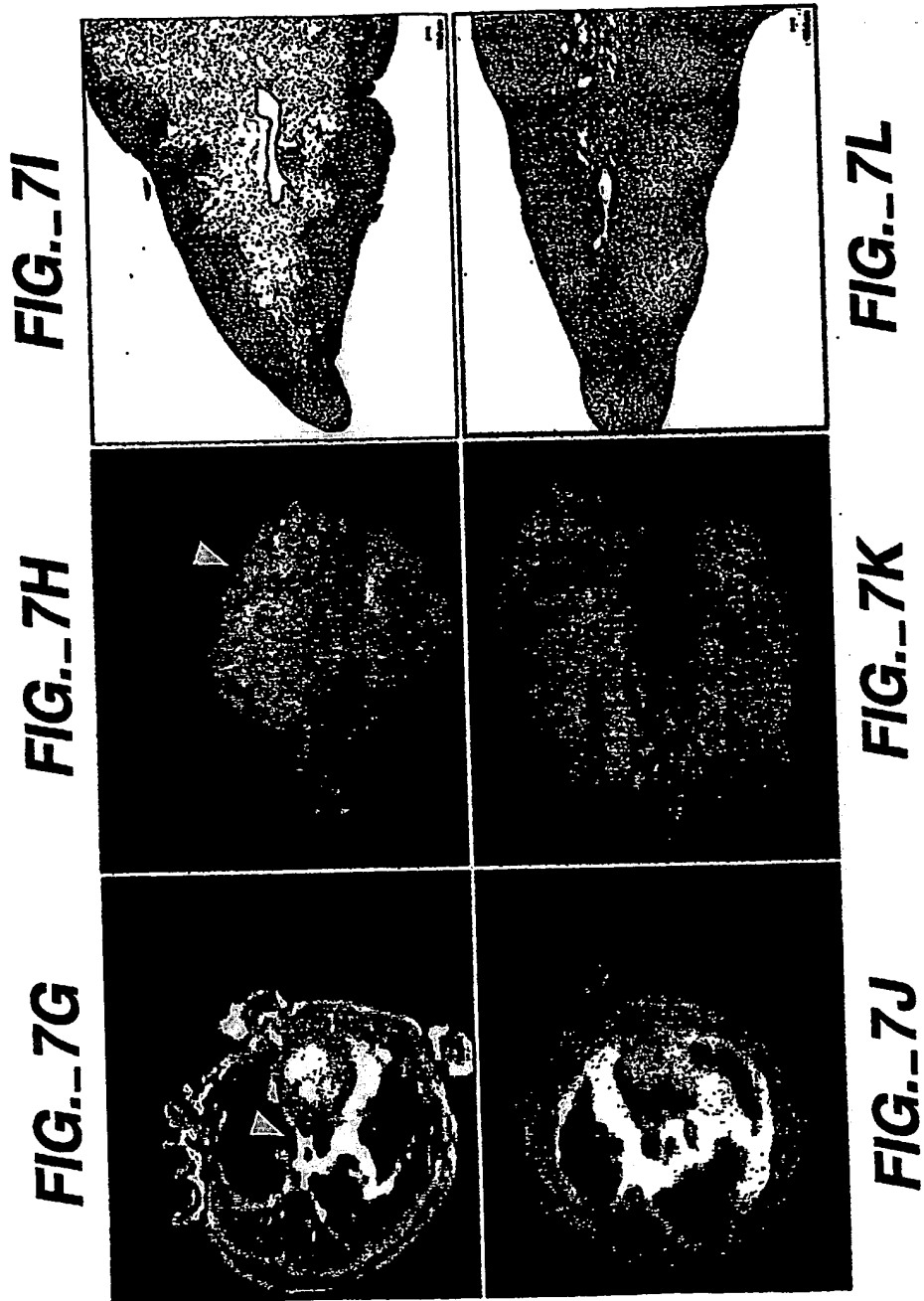
FIG. 7E



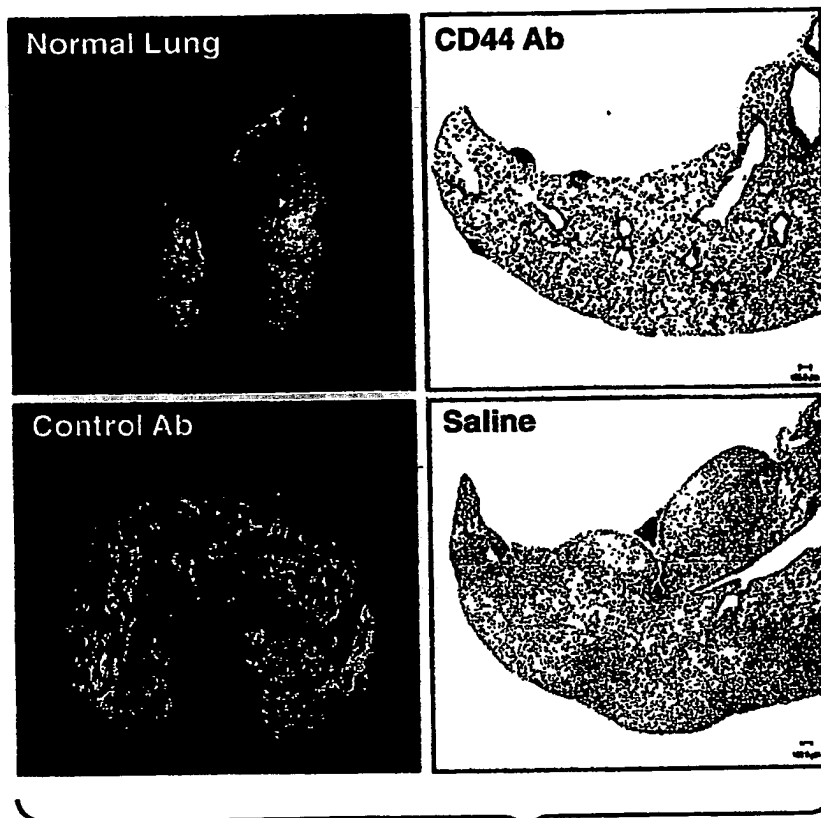
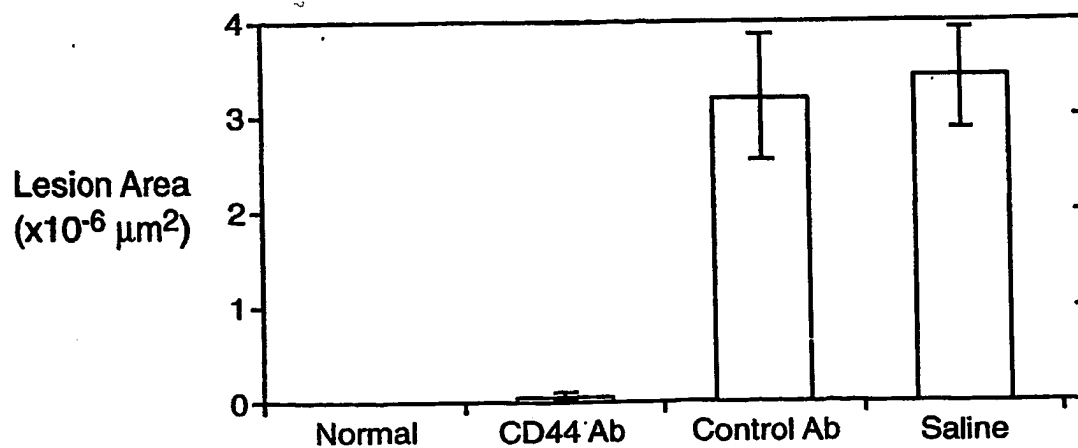
FIG. 7D



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**FIG. 8A****FIG. 8B**

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1 CCCACGGGTC CGCTGGGCCC AGTCCCCCG AGAGTGGTC GGATCTCTG GGTGCTCGG TCATGCTCTG TGCCACTGAC GTCCAGGCAT GAGGTGGTTC
 GGGTGGCAG GCGACCCGGG TCGAGGGGGC TCCTCCACCAG CCTAGGAGAC CCGACGAGCC AGCTACGGAC ACGTGACTG CAGGTCCGTA CTCCACCAAG
 M R W F
 101 CTGCCCTGGA CGCTGGCAGC AGTGACAGCA GCAGCGGCCA GCACGTCCTT GGGCACGGCC CTCTCTCCAG CCCCTACGAC CATGGACTTT ACTCCAGCTC
 GACGGGACCT GCGACCGTCG TCACTGTCTGT CGTCGGGGT CGTGGCAGGA CCGTGGCCG GAGAGAGTC GGGATGCTG GTACCTGAAA TGAGGTGCGAG
 5 L P W T L A A V T A A A A S T V L A T A L S P A P T T M D F T P A P
 201 CACTGGAGGA CACCTCCTCA CGCCCCCAAT TCTGCAAGTG GCCATGTGAG TGCCCGCCAT CCCACCCCG CTGCCCGCTG GGGTCAGCC TCATCACAGA
 GTGACCTCCT GTGGAGGAGT GCGGGGGTTA AGACGTTTAC CGGTACATC ACGGGCGGTA GGGTGGGC GACGGCGAC CCCAGTCGG AGTAGTGTCT
 39 L E D T S S R P Q F C K W P C E C P P S P P R C P L G V S L I T D
 301 TGCTGTGAG TGCTGTAAGA TGTGCGCTCA GCAGCTTGG GACAACTGCA CGGAGGCTG CATCTGTGAC CCCACCGGG GCCTCTACTG TGACTACAGC
 ACCGACACTC ACGACATCTT ACACGCGAGT CGTCGAACCC CTGTTGACGT GCCTCCGACG GTAGACACTG GGGTGGCCC CGGAGATGAC ACTGATGTG
 72 G C E C C K M C A Q Q L G D N C T E A A I C D P H R G L Y C D Y S
 401 GGGGACCGCC CGAGGTACGC AATAGGAGTG TGTGCACAGG TGCTCGGTGT GGGCTGCTC CTGATGCGG TGCGTACAA CAACGCCAG TCCTTCCAGC
 CCGCTGGCG GCTCCATCG TTATCCTCAC ACACGTGTCC ACCAGCCACA CCGACGCGAG GACCTACCCC ACGGATGTT GTTGCCGGTC AGGAAGGTG
 105 G D R P R Y A I G V C A Q V V G V G C V L D G V R Y N N G Q S F Q P
 501 CTAAC TGCAA GTACAAC TGC ACGTGCATCG ACGGCGCGGT GGGTGCACA CCACTGTGCC TCCGAGTGGG CTGCTGTGCC CCCACCGCG
 GATTGACGTT CATGTTGACG TGCACGTAGC TGCCGCGCCA CCGACGCTGT GGTGACACGG AGGCTCACGC GGGGGCGCA GAGACCACGG GGGTGGGCGC
 139 N C K Y N C T C I D G A V G C T P L C L R V R P P R L W C P H P R
 601 GCGGTGAGC ATACCTGGCC ACTGTGTGA GCAGTGGTA TGTGAGGAGC ACGCCACAG GCCACGCC ACCGCCCCC GTGACACAGG AGCCTTCGAT
 CCGGCACTCG TATGGACCGG TGACGACACT CGTACCCAT ACATCTCTGC TGCGGTTCTC CGGTGCGTTC TGGCGTGGG CACTGTGTCC TCGGAAGCTA
 172 R V S I P G H C C E Q W V C E D D A K R P R K T A P R D T G A F D
 701 GCTGTGGTG AGGTGGAGC ATGGACAGG AACTGCATAG CCTACACAG CCCCTGGAGC CCTTGTCCA CCAGTGGCG CCTGGGGGTG TCCACTCGGA
 CCGACCCAC TCCACCTCCG TACCGTGTCC TTGACGTATC GGATGTGTT GGGGACCTCG GGAACGAGGT GGTGACGCC GAGCCCCCAG AGGTGAGCTT
 205 A V G E V E A W H R N C I A Y T S P W S P C S T S C G L G V S T R I
 801 TCTCCAATGT TAACGCCAG TGCTGGCCTG AGCAAGAGAG CCGCCTCTGC AACTTGGGC CATGGATGT GGACATCCAT ACATCATTA AGGCAGGAA
 AGAGGTACA ATTGGGGT CAGACCGGAC TCGTCTCTC GCGGGAGACG TTGAACCGG GTACGTACA CCTGTAGGTA TGTGAGTAAT TCCGTCCCTT
 239 S N V N A Q C W P E Q E S R L C N L R P C D V D I H T L I K A G K

FIG. 9A

901 GAAGTGTCTG GCTGTGTACC AGCCAGAGGC ATCCATGAAC TTCACACTTG CGGGCTGCAT CAGCACAGC TCCTATCAAC CCAAGTACTG TGGAGTTTGC
 CTTACACAGAC CGACACATGG TCGGTCTCCG TAGGTACTTG AAGTGTGAAC GCCCGACGTA GTCTGTGCG AGGATAGTTG GGTTCATGAC ACCTCAAAACG
 272 K C L A V Y Q . P E A S M N F T L A G C I S T R S Y Q P K Y C G V C
 1001 ATGGACAATA GGTGCTGCAT CCCCTACAAG TCTAAGACTA TCGACGTGTC CTTCCAGTGT CCTGATGGGC TTGGCTTCTC CCGCCAGGTC CTATGGATTGA
 TACCTGTTAT CCACGACGTA GGGGATGTTT AGATTCTGAT AGCTGCACAG GAAGGTACAG GGAATACCCG AACCGAAGAG GCGGTGCCAG GATACCTAAT
 305 M D N R C C I P Y K S K T I D V S F Q C P D G L G F S R Q V L W I N
 1101 ATGCCTGCTT CTGTAACCTG AGCTGTAGGA ATCCCAATGA CATCTTTGCT GACTTGGAT CCTACCTGA CTCTCAGAA ATTGCCAACT AGGCAGGCAC
 TACGGACGAA GACATTGGAC TCGACATCCT TAGGGTTACT GTAGAAACGA CTGAACCTTA GGAATGGACT GAAGAGTCTT TAACGGTTGA TCCGTCCGTG
 339 A C F C N L S C R N P N D I F A D L E S Y P D F S E I A N O
 1201 AAATCTGGG TCTTGGGAC TAACCCAAAT CCTGTGAAGC AGTCAGCCCT TATGGCCAAT AACTTTTCAC CAATGAGCCT TAGTTACCCCT GATCTGGACC
 TTTAGAACC AGAACCCCTG ATTGGGTTAC GGACACTTCG TCAGTCGGGA ATACCGGTTA TTGAAAAGTG GTTACTCGGA ATCAATGGGA CTAGACCTGG
 1301 CTTGGCTCC ATTTCTGTCT CTAACCATTC AAATGACGCC TGATGGTGT GCTCAGGCC C ATGCTATGAG TTTTCTCCTT GATATCATTC AGCATCTACT
 GAACCGGAGG TAAAGACAGA GATTGGTAAG TTACTGCGG ACTACCACGA CGAGTCCGGG TACGATCTC AAAAGAGGAA CTATAGTAAG TCGTAGATGA
 1401 CTAAGAAAA ATGCTGTCT CTAGCTGTTT TGGACTACAC CCAAGCCTGA TCCAGCCTTT CCAAGTCACT AGAAGTCTCTG CTGGATCTTG CCTAAATCCC
 GATTCTTTTT TACGGACAGA GATCGACAAG ACCTGATGTG GGTTCGGACT AGTTCGAAA GGTTCAGTGA TCMTACAGGAC GACCTAGAAC GGATTTAGGG
 1501 AAGAAATGGA ATCAGGTAGA CTTTAAATAT CACTAATTTT TTCTTTAGAT GCCAAACCAC AAGACTCTTT GGGTCCATTC AGATGAATAG ATGGAATTTG
 TTCTTTACCT TAGTCCATCT GAAAATTATA GTGATTAAAG AAGAAATCTA CGGTTTGGTG TTCTGAGAAA CCCAGGTAAG TCTACTTATC TACCTTAAAC
 1601 GAACAATAGA ATAAATCTATT ATTTGGAGCC TGCCCAAGAG TACTGTAAAG GGTAAATCTG AGTCAGCGC ACCAAAACTA TCCTGATTCC AAATATGTAT
 CTTGTTATCT TATTAGATAA TAAACCTCGG ACGTTCTCC ATGACATTAC CCATTAAAGAC TGCAGTCGG TGGTTTGTAT AGGACTAAGG TTTATACATA
 1701 GCACCTCAAG GTCAATCAAC ATTTGCCAAG TGAGTTGAAT AGTTGCTTAA TTTTGATTTT TAATGGAAAG TTGTATCCAT TAACCTGGGC ATTGTTGAGG
 CGTGGAGTTC CAGTAGTTTG TAAACGGTTC ACTCAACTTA TCAACGAATT AAAACTAAA ATTACCTTTC AACATAGGTA ATTGGACCCG TAACAACCTOC
 1801 TTAAGTTTCT CTTACCCCT ACACGTGAA GGGTACAGAT TAGGTTGTC CCAGTCAGAA ATAAAATTG ATAAACATTC CTGTTGATGG GAAAAGCCCC
 AATTCAAAGA GAAAGTGGGA TGTGACACTT CCCATGTCTA ATCCAAACAG GGTGAGTCTT TATTTTAAAC TATTTGTAAG GACAACATAC CTTTTCGGGG
 1901 CAGTTAATAC TCCAGAGACA GGGAAAGGTC AGCCCATTTT AGRAGGACCA ATTGACTCTC ACACGTGAATC AGCTGCTGAC TGGCAGGGCT TTGGGCAGTT
 GTCAATTATG AGGTCTCTGT CCCTTTCCAG TCGGATAAAG TCTTCTCTGGT TAACGTAGAG TGTGACTTAG TCGACGACTG ACCGTCCCGA AACCCGTCAA

FIG. 9B

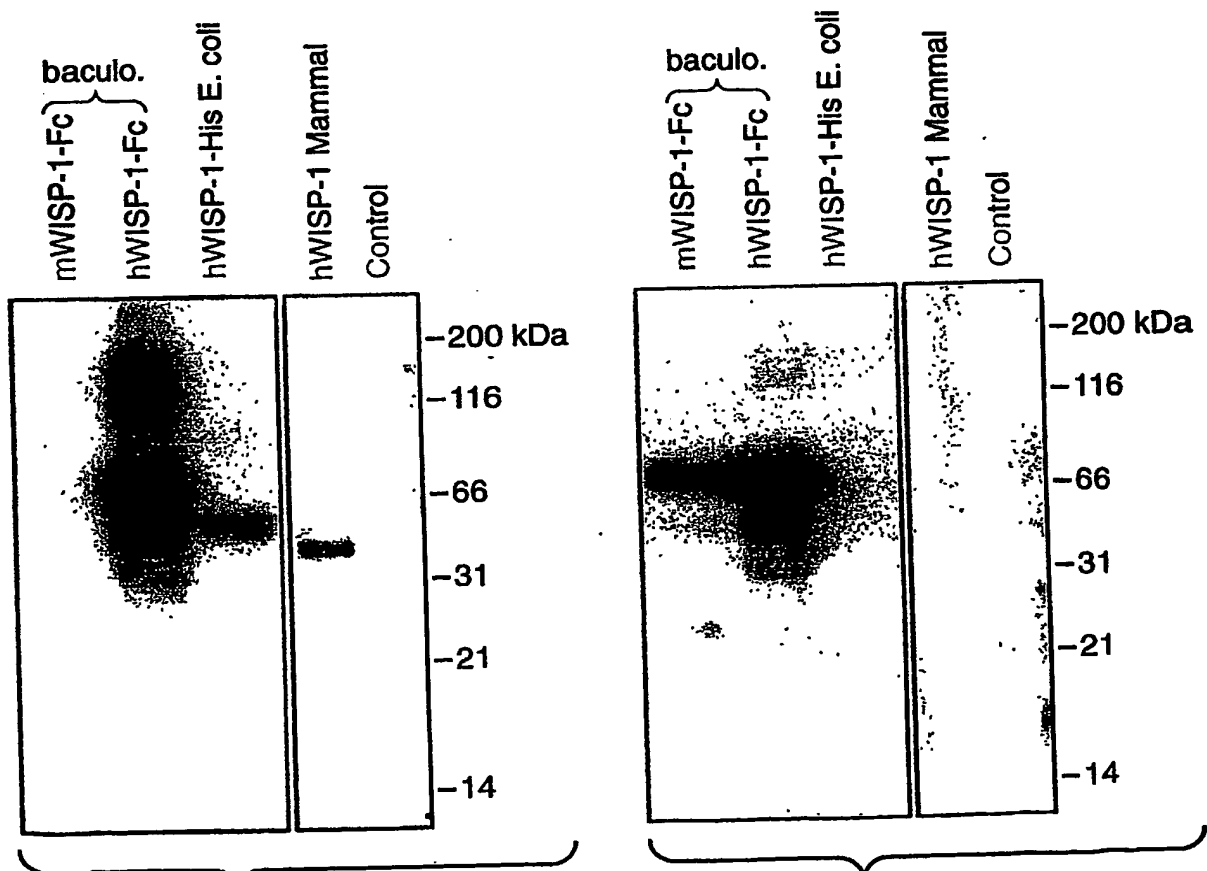
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2001 GGCACGGCTC TTCCCTTGAAT CTTCTCCCTT GTCTGCTTG GGTTCATAGG AATTGGTAAG GCCTCTGGAC TGGCTGTCTT GGGCCCTGAG AGTGGTGCCC
CCGGTCCGAG AAGGAACCTTA GAAAGGGAA CAGGACGAAC CCAAGTATCC TTAACCATTC CGAGACCTG ACCGGACAGA CCGGGGACTC TCACCACGGG
2101 TGGAACTAC TCCTACTCTT ACAGAGCCTT GAGAGACCCA GCTGCAGACC ATGCCAGACC CACTGAAATG ACCAAGACAG GTTCAGGTAG GGGTGTGGGT
ACCTTGTGAG GAGATGAGAA TGCTCGGAA CTCTCTGGG CGACGTCTGG TACGGTCTGG GTGACTTTAC TGGTTCGTGTC CAAGTCCATC CCCACACCCA
2201 CAAACCAAGA AGTGGGTGCC CTTGGTAGCA GCCTGGGGTG ACCTCTAGAG CTGGAGGCTG TGGGACTCCA GGGGCCCCCG GTTTCAGGAC ACATCTATTG
GTTTGGTCTC TCACCCACGG GAACCATCGT CGGACCCAC TGGAGATCTC GACCTCCGAC ACCCTGAGGT CCCGGGGGC ACAAGTCCTG TGTAGATAAC
2301 CAGAGACTCA TTTCACAGCC TTTCTGCTTG CTGACCAGAAAT GGCCAGTTTT CTGGTAGGAA GATGGAGGTT TACCAGTTGT TTAGAAACAG AAATAGACTT
GTCTCTGAGT AAAGTGTCGG AAAGCAAGAC GACTGGTTTA CCGGTCAAAA GACCATCCTT CTACCTCCAA ATGGTCAACA AATCTTTGTC TTTATCTGAA
2401 AATAAAGGTT TAAAGCTGAA GAGGTTGAAG CTAAAAGGAA AAGGTTGTTG TTAATGAATA TCAGGCTATT ATTTATTGTA TTAGGAAAAT ATAATATTTA
TTATTTCCAA ATTTGACTT CTCCAACCTC GATTTTCCCT TTCCAACAAC AATTACTTAT AGTCCGATAA TAAATAACAT AATCCTTTTA TATTATAAAT
2501 CTGTTAGAAT TCTTTTATTT AGGGCCTTTT CTGTGCCAGA CATTGCTCTC AGTGCTTTC ATGTATTAGC TCACTGAATC TTCACGACAA TGTGAGAG
GACAATCTTA AGAAATAAA TCCCGGAAAA GACACGGTCT GTAACGAGAG TCACGAAACG TACATAATCG AGTCACTTAG AAGTGTCTGT ACAACTCTTC
2601 TTCCCATAT TATTTCGTGTT CTTACAAATG TGAAACGGAA GCTCATAGAG GTGAGAAAAAC TCAACACAGAG TCACCCAGTT GGTGACTGGG AAAGTTAGGA
AAGGGTAATA ATAAAGACAA GAATGTTTAC ACTTTGCCCT CGAGTATCTC CACTCTTTTG AGTTGGTCTC AGTGGTCAA CCACGTGACC TTTCATCTCT
2701 TTCAGATCGA AATTGGACTG TCTTTATAAC CCATATTTTC CCCTGTTTT TAGAGCTTCC AATGTGTCA GAATAGGAAA ACATTCGAAT AAATGGCTTG
AAGTCTAGCT TTAACCTGAC AGAATAATTG GGTATAAAG GGGGACAAAA ATCTGAAAGG TTTACACAGT CTTATCTCTT TGTAAACGTTA TTTACCGAAC
2801 ATTTTAAAA AAAAAAAA AAAAAAAA
TAAAAAATTT TTTTTTTTTT TTTTTTTTTT

FIG.-9C

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Effect of WISP-1 Expression on NRK Metastatic Potential				
No. Cells Injected	Weeks after Innoculation	Incidence of Lung Metastasis		
		NRK/Control	NRK/WISP-1L	NRK/WISP-1H
2.5 x 10 ⁵	2	0/1	0/1	2/2 (Grade I)
	3	0/4	3/3 (Grade I)	4/4 (Grade I-II)
	4	0/4	4/4 (Grade I)	3/3 (Grade III)
0.5 x 10 ⁵	2	0/2	0/2	1/2 (Grade I)
	3	0/4	2/4 (Grade I)	3/4 (Grade I)
	4	0/4	4/4 (Grade I)	3/4 (Grade I-II)

FIG. 10**FIG. 11A****FIG. 11B**

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WISP-1: Wnt-1 Induced Secreted Protein

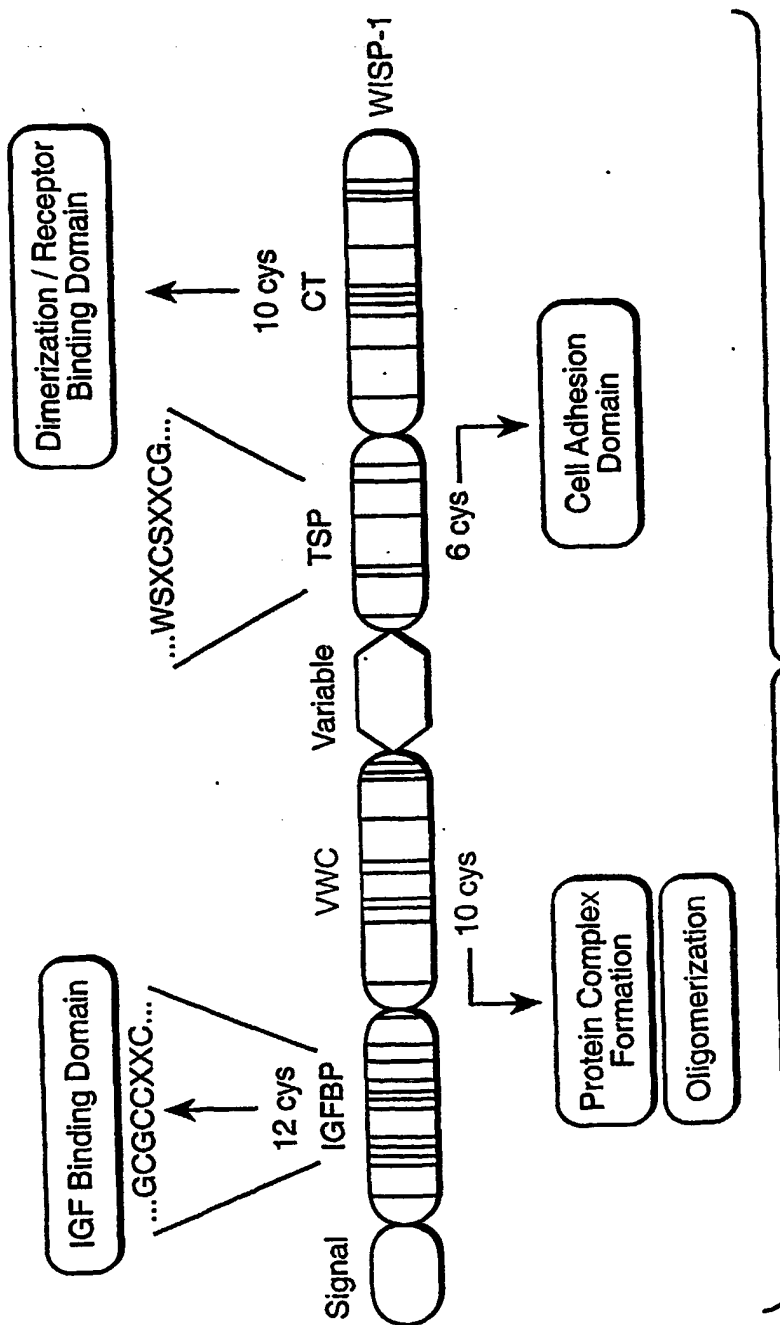
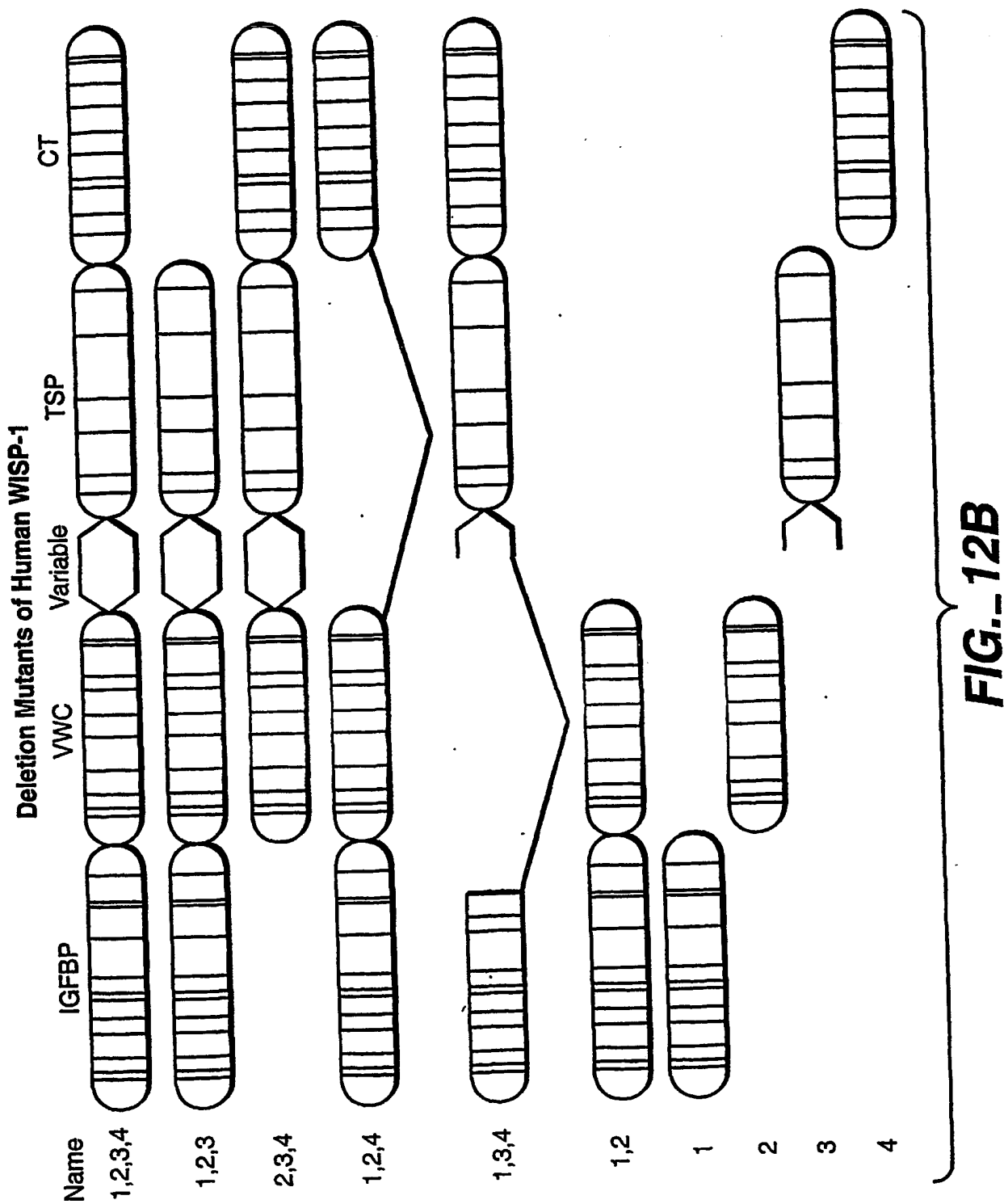


FIG. 12A

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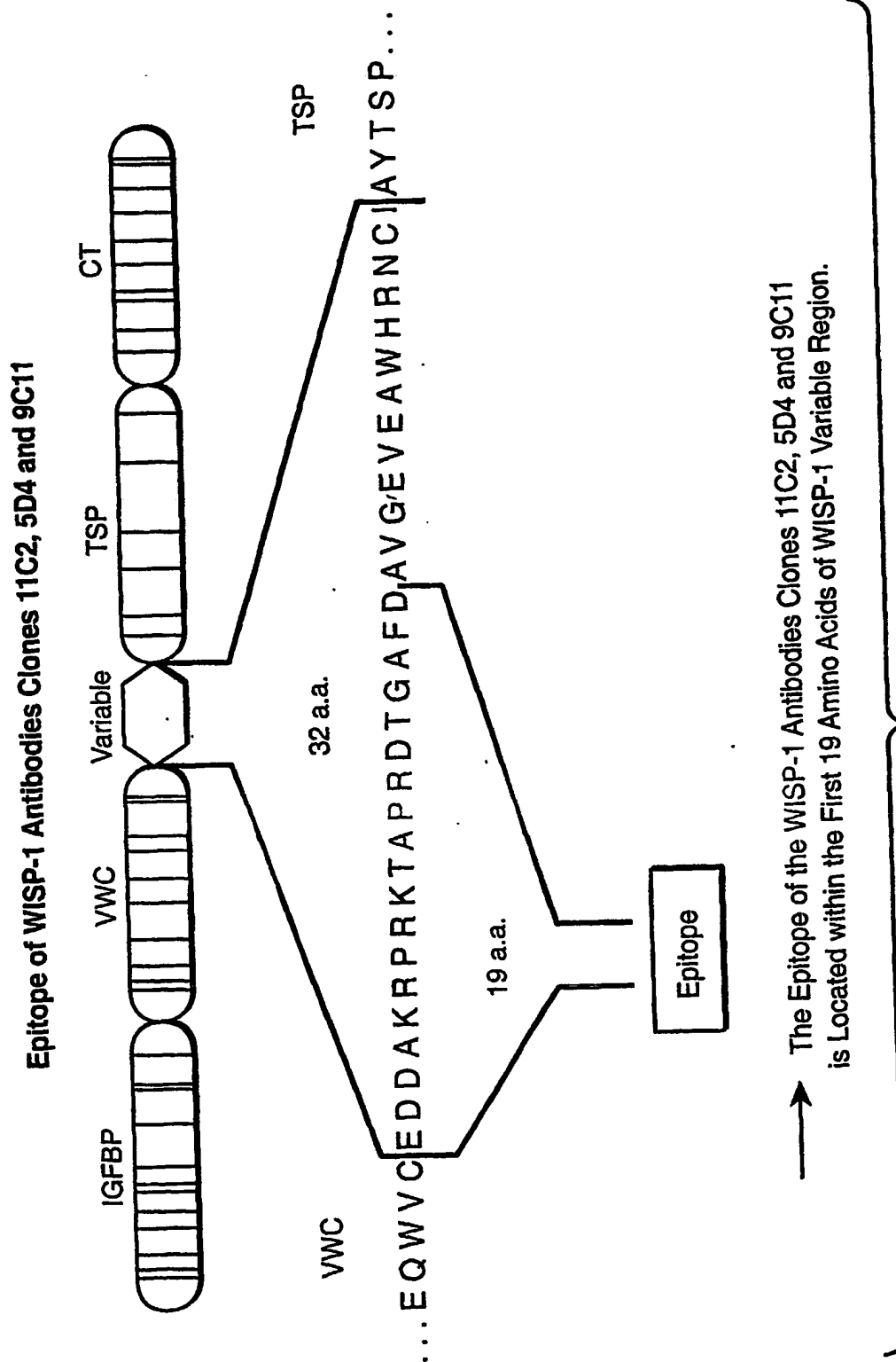


FIG. 12C

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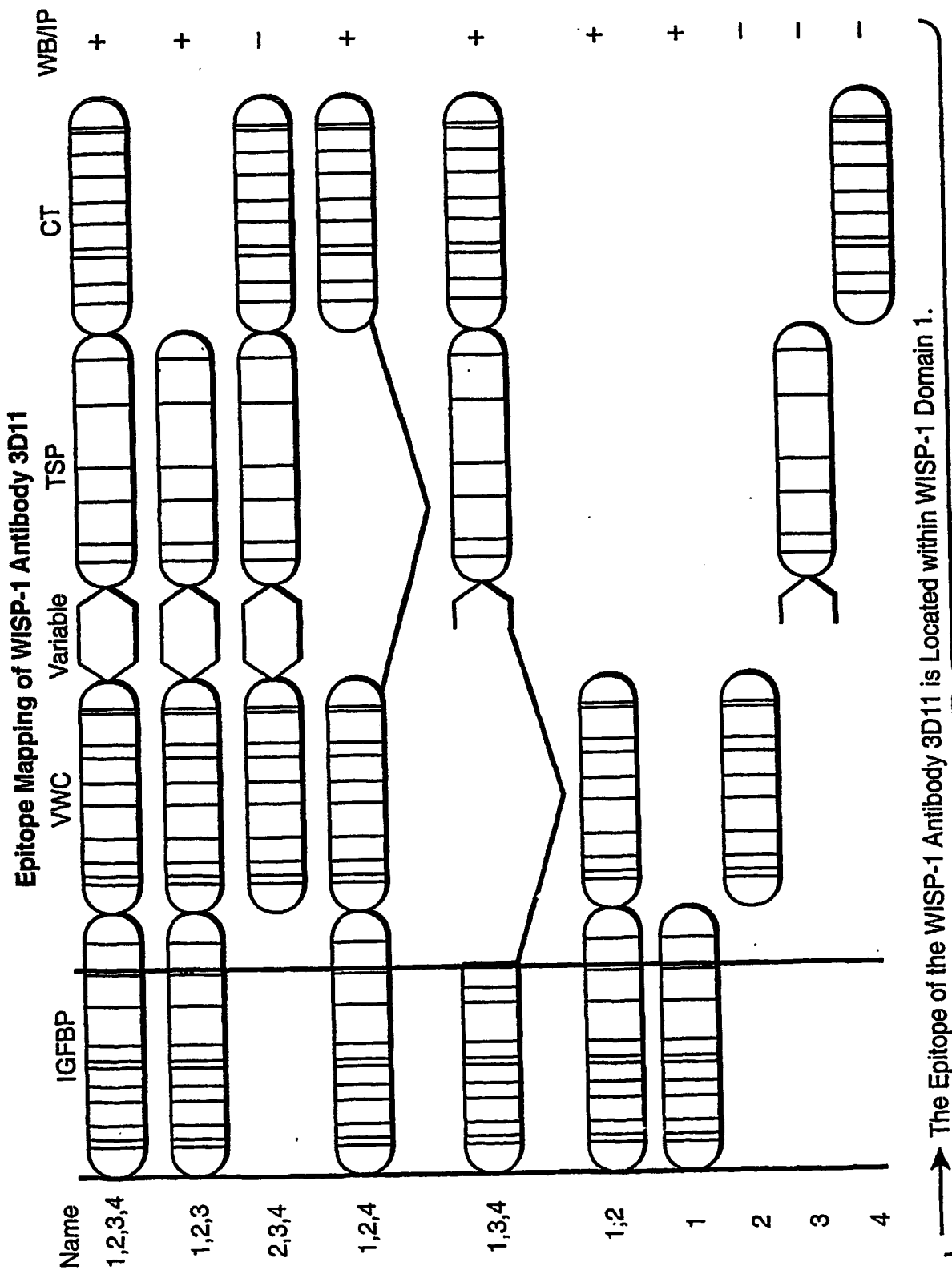


FIG. 12D

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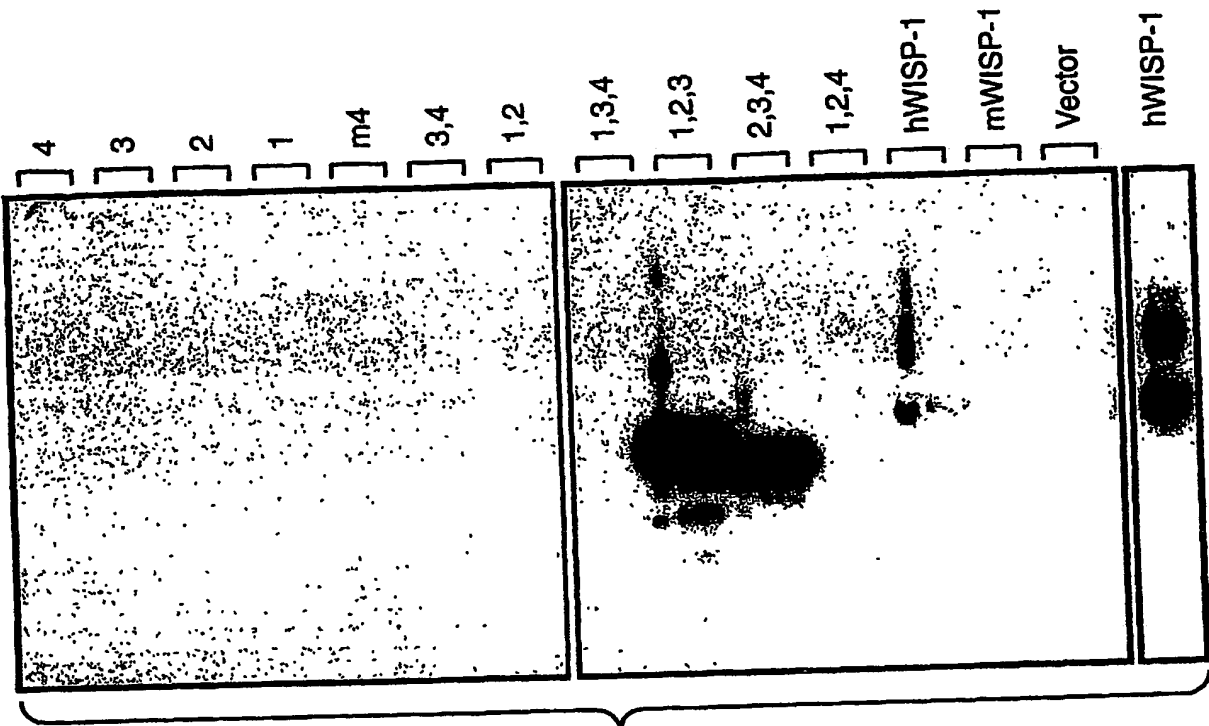
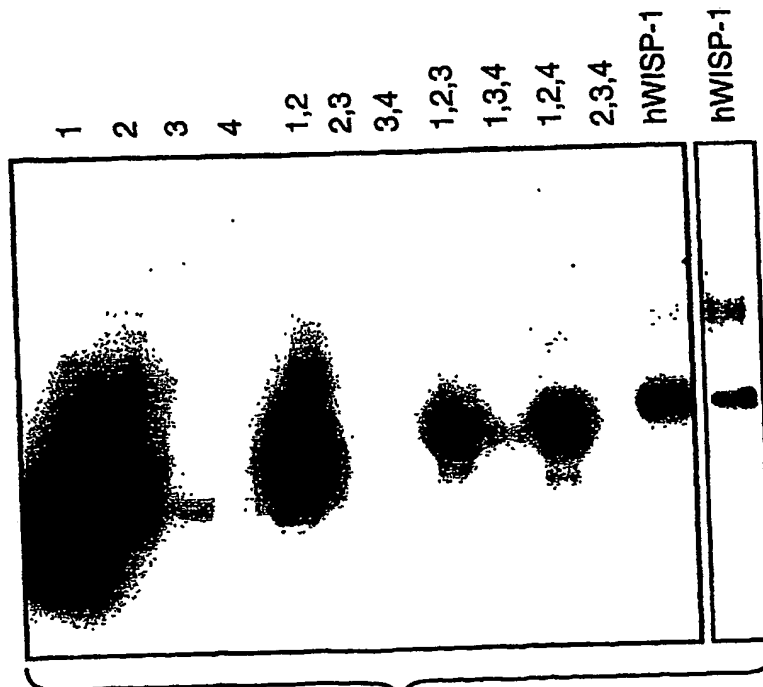
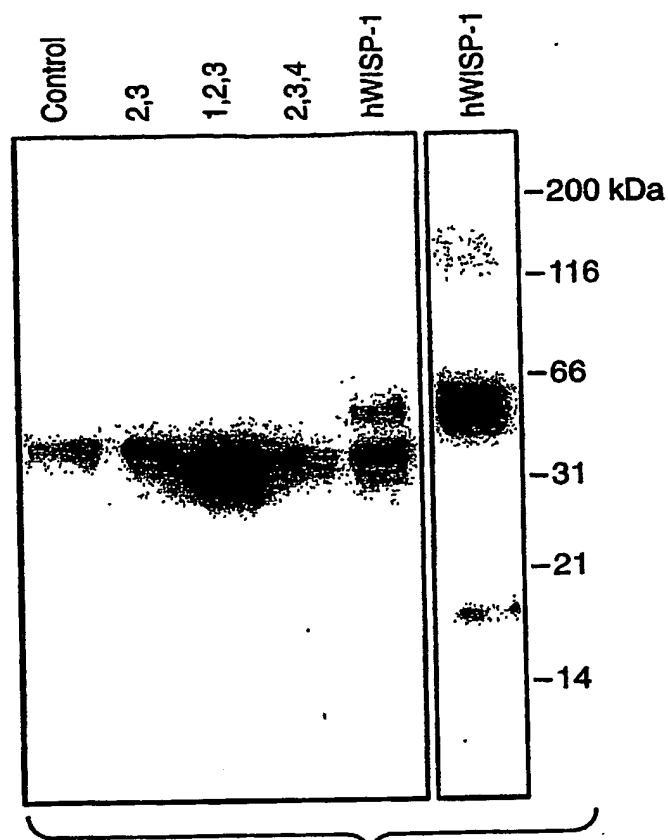
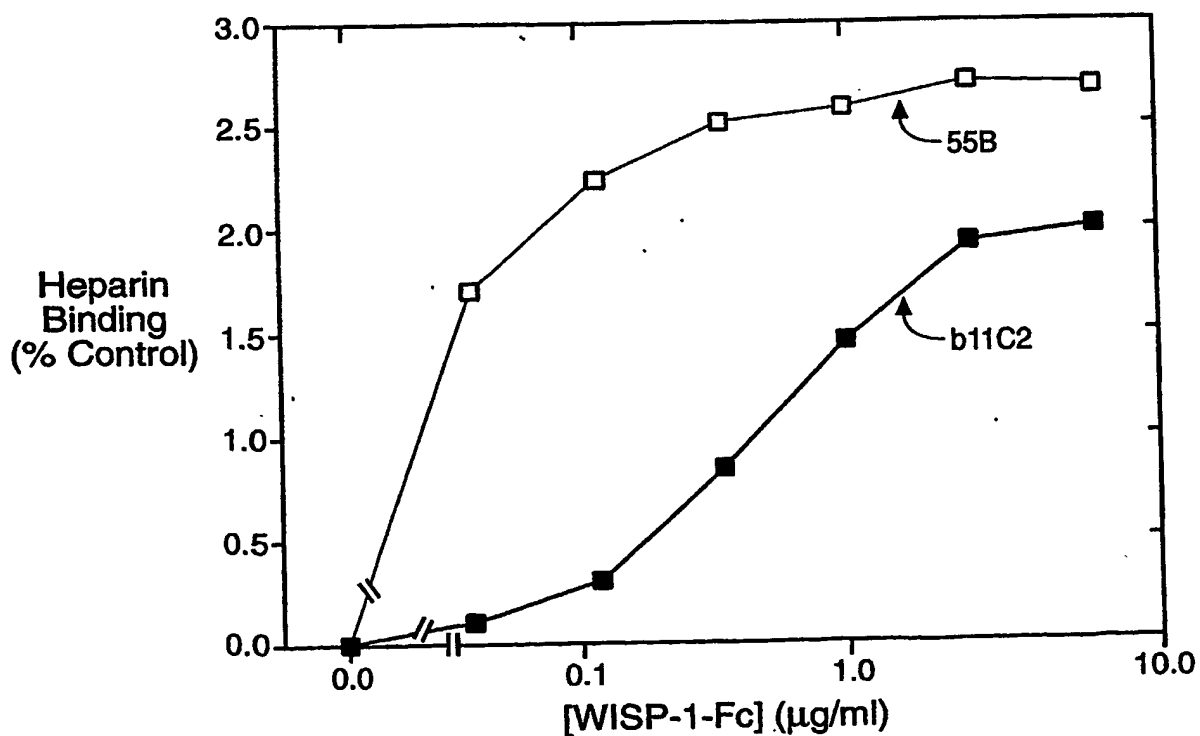
**FIG. 12E****FIG. 12F**

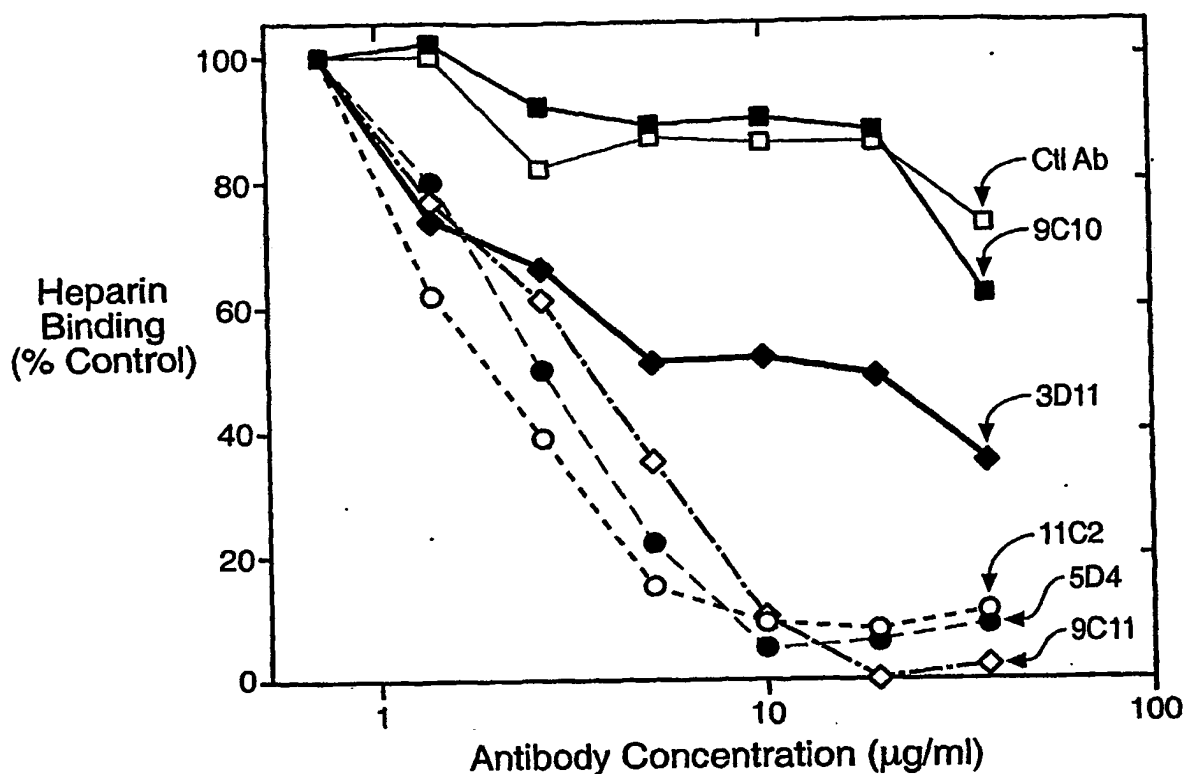
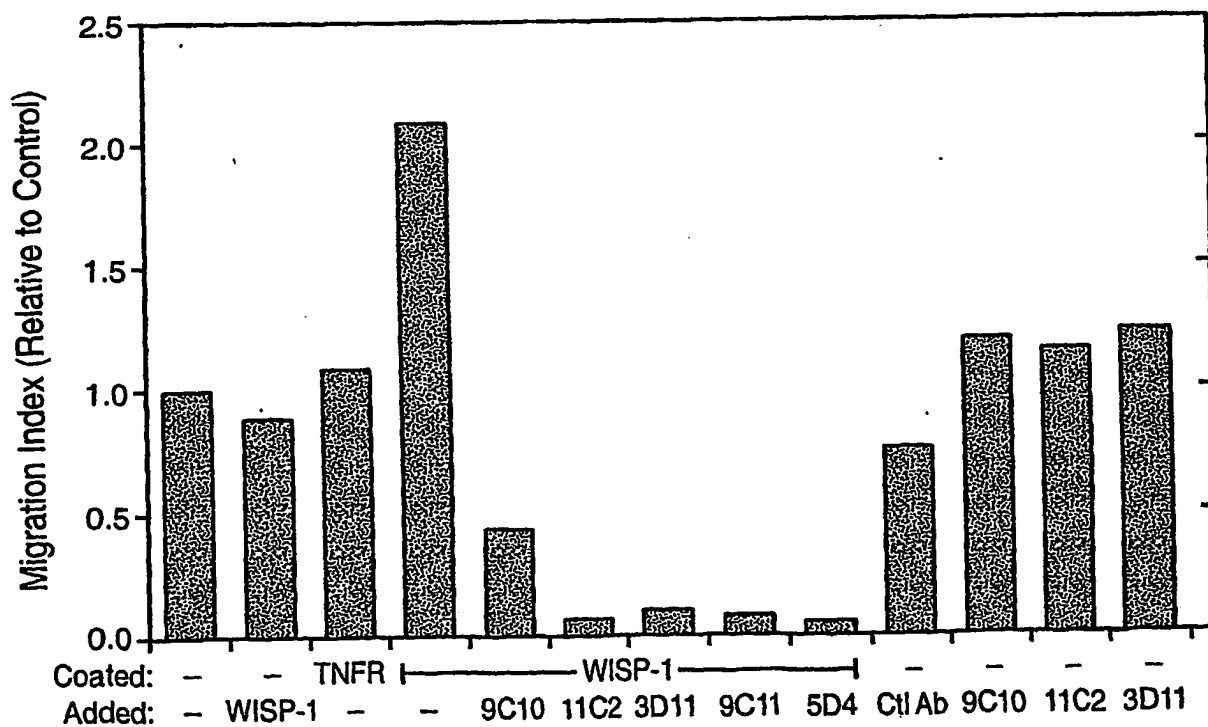


FIG. 12G

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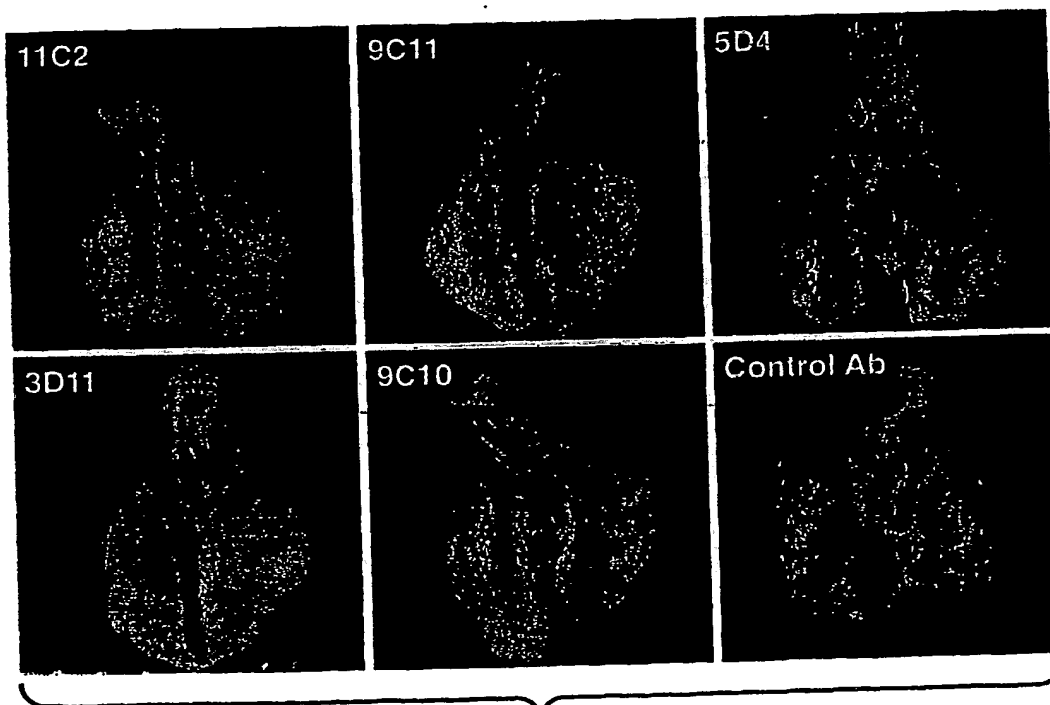
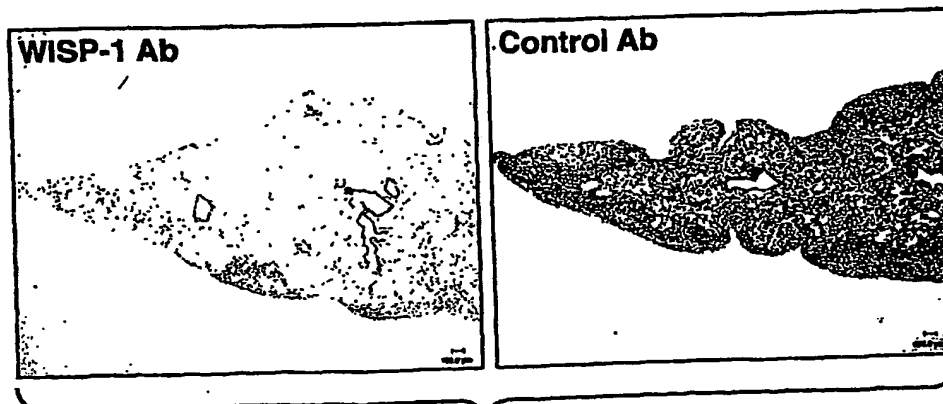
**FIG. 13****FIG. 14**

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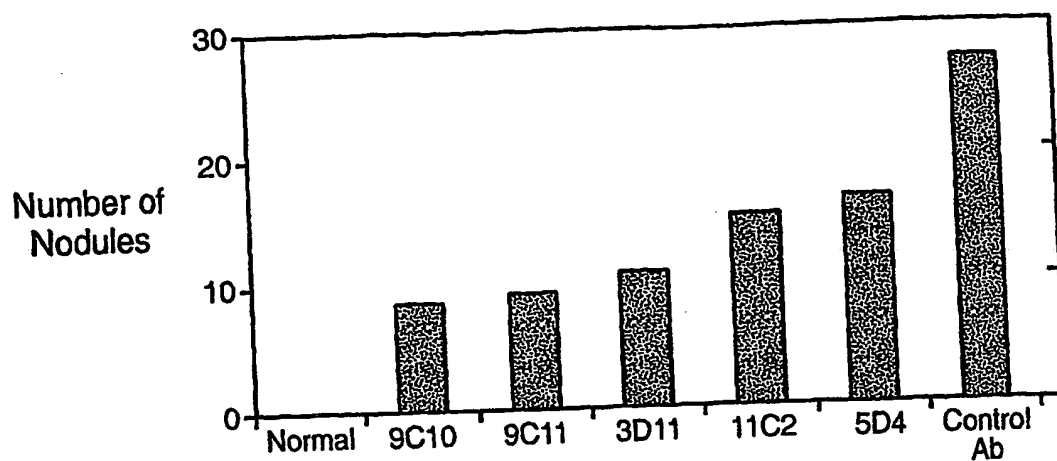
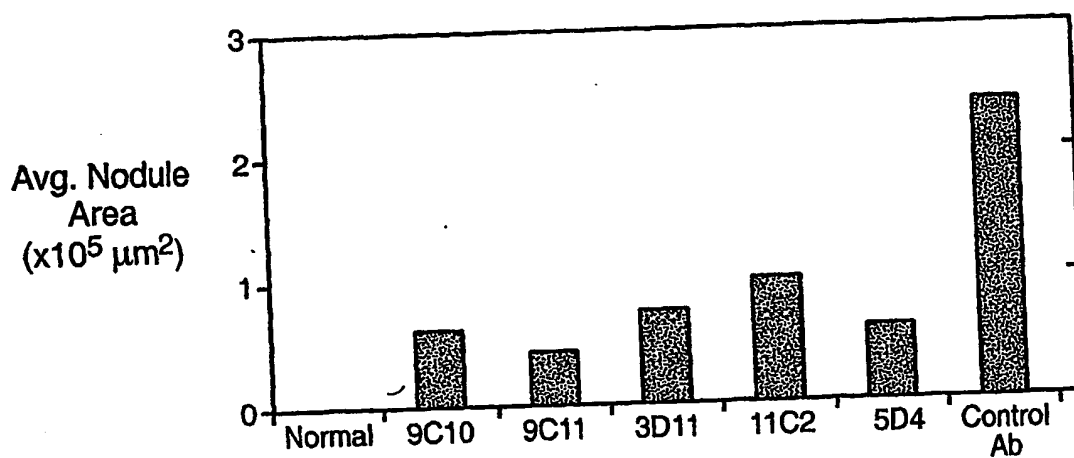
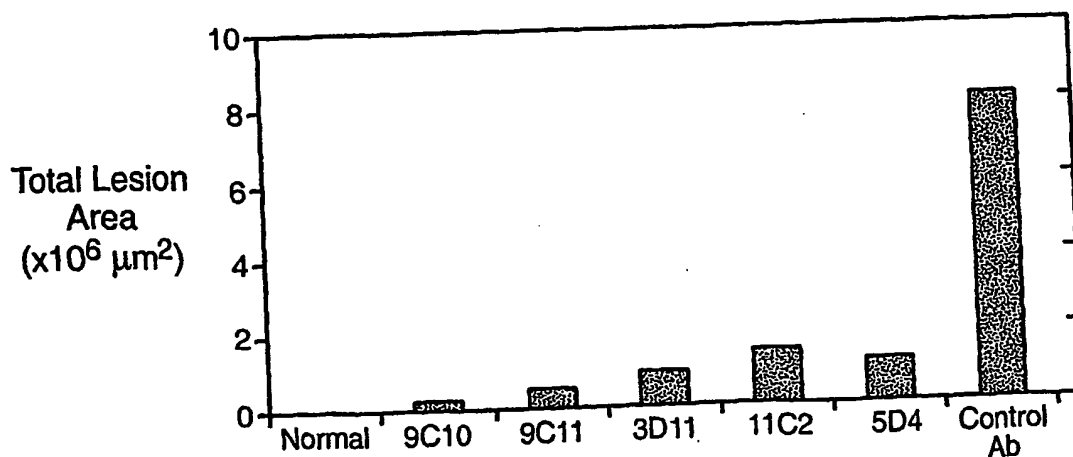
**FIG. 15****FIG. 16A**

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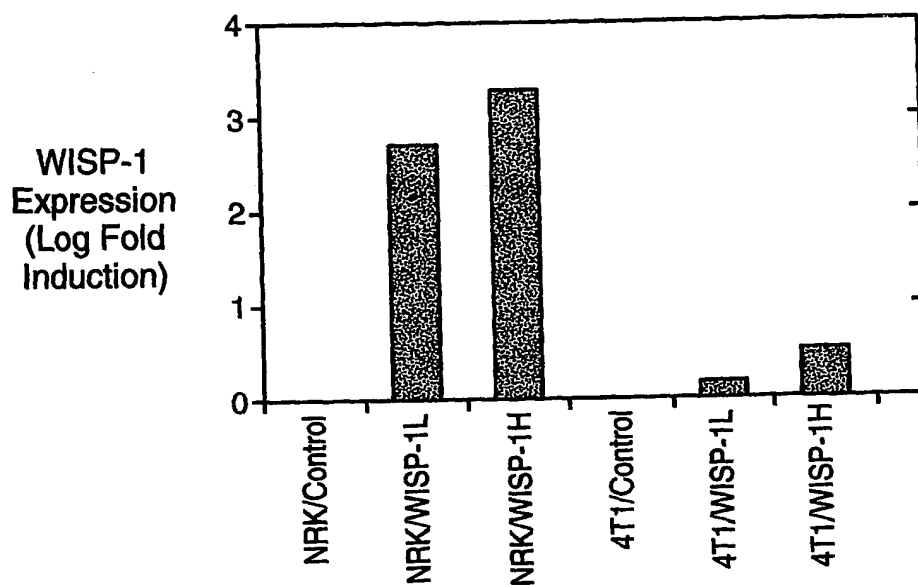
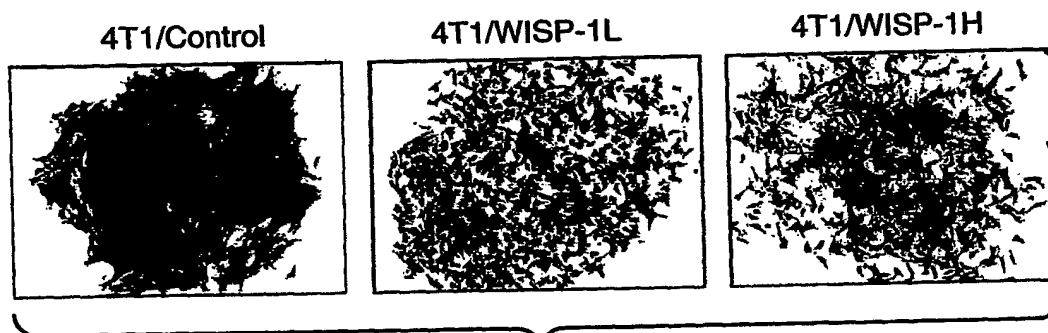
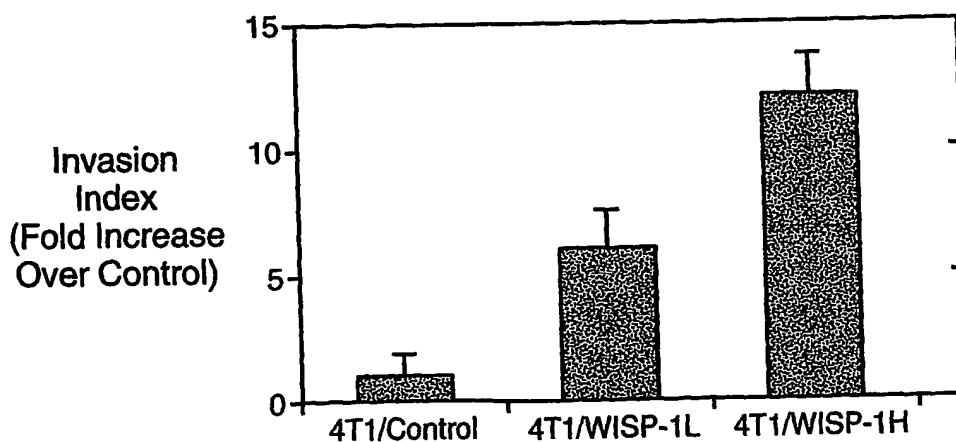
WISP-1 Antibodies Characterization								
Clones	Isotype	Epitope		IP	WB	Blocking Activity		
		Struct.	Cross Compet.			Heparin Binding	Cell Migrat.	Lung Met.
3D11	2b	Domain 1	A	-	+	+/-	+	+
9C10	2b	Domain 1	B	+	-	-	+	+
11C2	2b	Variable Region	C	+	+	+	+	+
5D4	2a	Variable Region	C	+	+	+	+	+
9C11	2a	Variable Region	C	+	+	+	+	+

FIG. 16B**FIG. 17A****FIG. 17B**

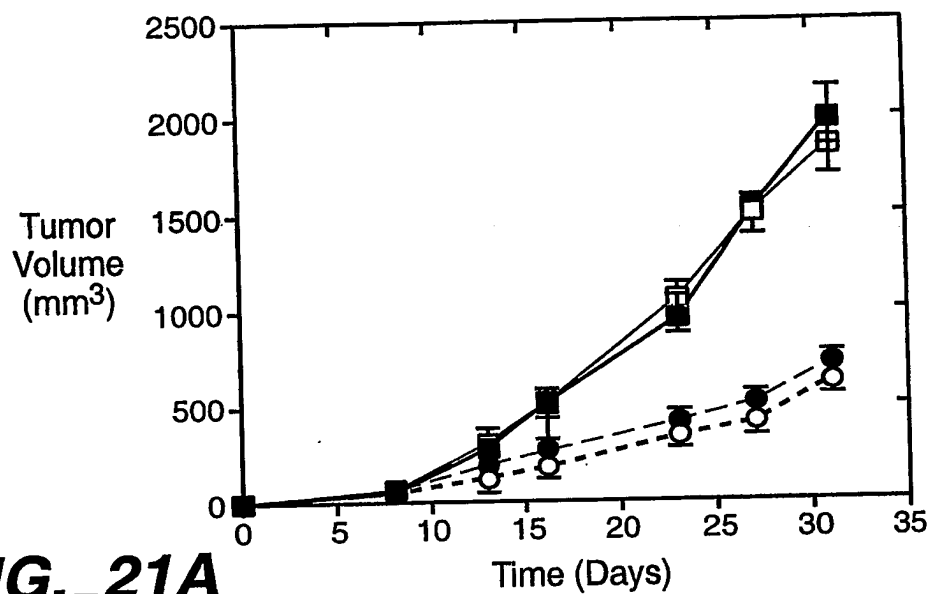
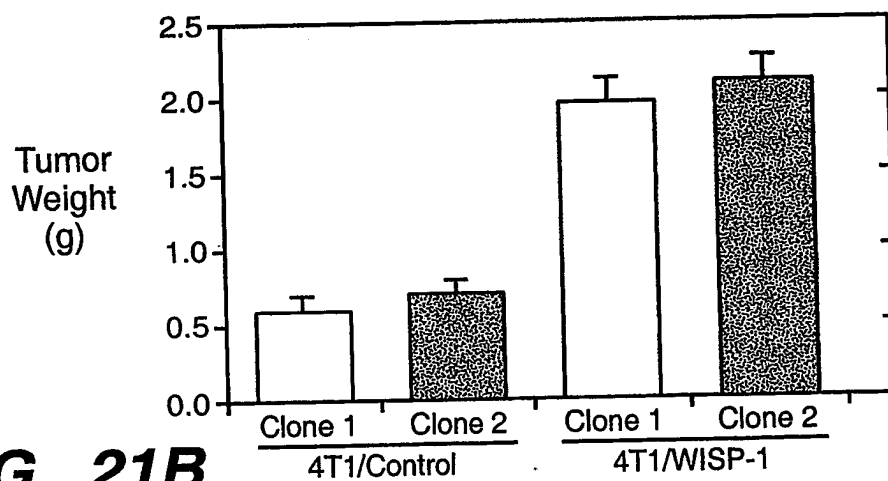
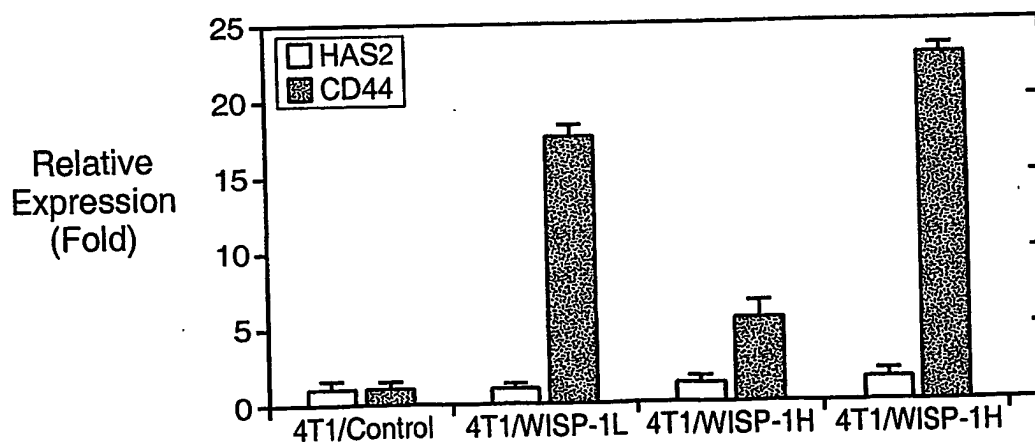
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**FIG. 17C****FIG. 17D****FIG. 17E**

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**FIG. 18****FIG. 19****FIG. 20**

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**FIG. 21A****FIG. 21B****FIG. 22**

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FIG._23B



FIG._23D



FIG._23F



FIG._23A

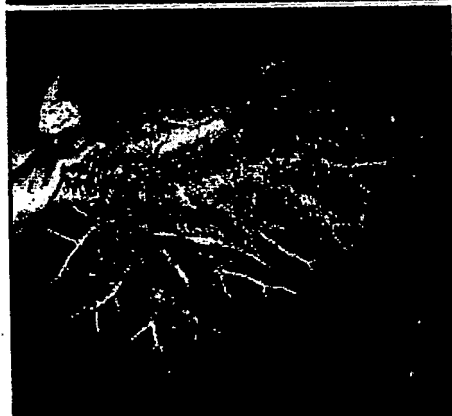


FIG._23C

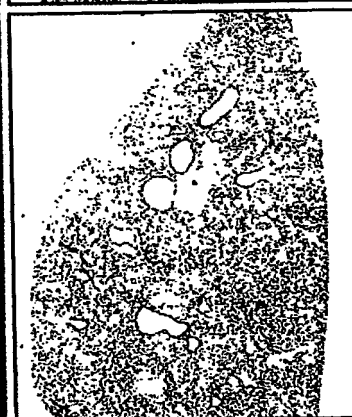


FIG._23E



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